| Index | ~f | Cla | ime |
|-------|----|-----|-----|
| inaex | OI | Cia | ıms |



Application/Control No.

Applicant(s)/Patent under Reexamination YAMAMOTO ET AL.

10/511,674 Examiner

Art Unit

Taylor Victor Oh

1625

Rejected **Allowed**

(Through numeral)
Cancelled ÷ Restricted

Non-Elected N Interference

Appeal Α 0 Objected

| | | | Щ | | | | l | | L | |
|--|----------------------------------|--|--------------|--------------|--|--------------|--|--|--|-----------------|
| | im / | 1 | | | | Date | | | | \neg |
| " | Original | 1 | • | Ι | г- | 1 | ř— | <u> </u> | Г | 一 |
| ₌₌ | <u>'ā</u> | Υς. | | | | ĺ | | i | | |
| Final | . <u>j</u> | 6/18/0 X | | ŀ | | | ļ | | | 1 1 |
| ш. | ŏ | 9 | | | | | | | | |
| | | , | <u> </u> | | | <u> </u> | ┝ | - | <u> </u> | Н |
| | - | ₩ | - | | | | _ | ├ | _ | Н |
| <u> </u> | 1 2 3 4 5 | > > > > > > > > > > > > > > > > > > > | ├- | <u> </u> | ├ | | | - | \vdash | \vdash |
| | 3 | V | - | | ┝ | _ | ⊢ | <u> </u> | - | Н |
| | 4 | \ <u>\</u> | ⊢ | - | | - | - | | ├─ | H |
| <u> </u> | 6 | \ ' | ⊢ | ⊢ | ├ | | | - | ┢ | \vdash |
| ├─ | 7 | `` | ļ | - | - | - | | ┝ | ⊢ | ╌┤ |
| | ' | ÷ | _ | ├ | | _ | - | ├ | ├─ | Н |
| | 8 9 10 | V V V | \vdash | ⊢ | \vdash | ┝ | | \vdash | | Н |
| | 10 | ₩ | - | - | ┝ | | ⊢ | | \vdash | Н |
| \vdash | 11 | ₩ | | | - | \vdash | | \vdash | \vdash | Н |
| \vdash | 12 | V V | \vdash | \vdash | \vdash | \vdash | | \vdash | \vdash | Н |
| | 12 | V V | | | | | <u> </u> | \vdash | \vdash | H |
| <u> </u> | 1.0 | ₩ | | | | ├ | | ├ | - | Н |
| <u> </u> | 11 12 13 14 15 16 | >>>>> | \vdash | ⊢ | | | | \vdash | ⊢ | $\vdash\vdash$ |
| | 10 | \ | ├ | - | ├ | ⊢ | | ⊢ | ├ | Н |
| | 17 | ₩ | \vdash | - | ┢ | <u> </u> | - | ⊢ | ├— | Н |
| | 17 18 19 | ₩ | \vdash | ⊢ | ├ | ├ | | ⊢ | ⊢ | $\vdash\vdash$ |
| | 10 | \ V | | - | ┝ | | ⊢ | ⊢ | - | Н |
| | 19 | Ÿ | \vdash | - | | | ⊢ | ┝ | ├— | ├ ─┤ |
| <u> </u> | 20 21 22 23 24 | <u> </u> | ⊢ | \vdash | ├ | | - | | - | Н |
| | 21 | ⊢ | - | - | <u> </u> | \vdash | | | - | Н |
| | 22 | - | \vdash | ⊢ | | | ├ | ├ | - | Н |
| | 24 | ⊢ | - | ⊢ | ⊢ | ├ | | ⊢ | - | Н |
| | 25 | ⊢ | ⊢ | ├ | ⊢ | - | ├ | - | - | Н |
| <u> </u> | 25 26 | ┝ | | - | - | - | | - | | \vdash |
| | 27 | <u> </u> | - | ⊢ | | - | | ┢ | ┢ | Н |
| | 28 | ├ | ┝ | ┝ | ├- | - | | - | | Н |
| | 28 29 | ┝ | - | ├- | - | | | | - | Н |
| | 30 | ⊢ | \vdash | ├ | - | | | | | Н |
| | 30 | ┝ | \vdash | ┝ | ┝ | | \vdash | | - | Н |
| | 31 32 | ┝ | - | - | | - | - | - | ⊢ | Н |
| | 33 | | | - | ├ | \vdash | \vdash | | \vdash | $\vdash \vdash$ |
| \vdash | 34 | | - | \vdash | ├─ | | \vdash | \vdash | \vdash | Н |
| | 35 | - | - | - | - | ├─ | - | ┢ | | Н |
| | 36 | - | \vdash | - | \vdash | | \vdash | \vdash | \vdash | \vdash |
| | 36 37 | \vdash | ┢ | \vdash | \vdash | - | \vdash | | ├─ | Н |
| | 38 | | - | | | \vdash | - | ┢ | | $\vdash \vdash$ |
| <u> </u> | 39 | Ι | | | | | - | \vdash | <u> </u> | Н |
| | 40 | | | | | - | | H | \vdash | \vdash |
| \vdash | 41 | \vdash | \vdash | | - | ┢┈ | | \vdash | | H |
| | 42 | \vdash | - | - | \vdash | | \vdash | \vdash | | Н |
| \vdash | 43 | | \vdash | \vdash | \vdash | \vdash | | \vdash | | H |
| | 44 | _ | \vdash | | \vdash | \vdash | — | \vdash | | H |
| | 45 | | | - | | | - | \vdash | | Н |
| \vdash | 46 | | \vdash | \vdash | _ | - | | | | Н |
| | 47 | \vdash | \vdash | \vdash | \vdash | | \vdash | | | Н |
| <u> </u> | 48 | <u> </u> | \vdash | \vdash | \vdash | | | \vdash | \vdash | \vdash |
| | 49 | | \vdash | | \vdash | I^- | | \vdash | \vdash | Н |
| | 50 | | | | T | \vdash | | | <u> </u> | П |
| | | | | | | _ | | | | |

| Cla | aim | Date | | | | | | | | |
|----------|----------|--|--|--|----------|--|--------------|--------------|--------------|--------------|
| | | | | | | | | | | |
| ۱ ـ | 20 | ŀ | | | | | | | | |
| Final | ≅ | | | | i | | | | | |
| ιμ | Original | ľ | | | ŀ | ١. | | i | | |
| | ~ | | | | | | | | | |
| | 51 | Г | | | | | | | | |
| - | 51 52 | \vdash | \vdash | \vdash | ┢─ | - | - | | \vdash | \vdash |
| | 52 | ⊢ | ļ | | ⊢ | | ┝ | ├ | ⊢ | - |
| | 53 | <u> </u> | | | L | | _ | | | L |
| | 54 | | | | 1 | | ŀ | | | |
| | 54 55 | \vdash | \vdash | | | | | | | |
| | 56 | \vdash | \vdash | - | \vdash | | ├ | | \vdash | |
| <u> </u> | 56 | ├ | <u> </u> | | ├ | - | ⊢ | | ├— | _ |
| | 57 | <u>L</u> . | ļ | | | | <u> </u> | | <u> </u> | |
| - | 58 | | 1 | | | | | | | |
| | 59 | | | Г | | | | Г | | |
| | 60 | | \vdash | | _ | - | | \vdash | | |
| <u> </u> | 60 61 | ⊢ | ├ | ├ | ⊢ | <u> </u> | ⊢ | ├ | ├ | - |
| | 61 | <u> </u> | Ь | L. | L_ | | <u> </u> | <u> </u> | | |
| L | 62 | L_ | L | L | L | L | Ŀ | L | L_ | L |
| | 63 | | | | _ | | | | | |
| | 64 | \vdash | | | \vdash | | - | - | | |
| - | 07 | ⊢ | ⊢ | | ├ | ├ | ├ | | ├ | ⊢ |
| | 65 | <u> </u> | <u> </u> | <u> </u> | <u> </u> | <u> </u> | ļ | <u> </u> | <u> </u> | <u> </u> |
| | 66 | l | | | | | | Ĺ | | |
| | 67 | | Г | Г | | | | | | |
| | 68 | \vdash | | \vdash | \vdash | | _ | · | | |
| - | 69 | | ┢ | ╌ | | - | \vdash | \vdash | | \vdash |
| - | 70 | ⊢ | ├ | | ├ | - | - | | | ├ |
| | 70 | L | | Ш | | | | ㄴ | | L |
| 1 | 71 72 | ł | | 1 | l | | | 1 | | |
| | 72 | | | | | | | | | |
| | 73 | \vdash | | | - | | | | | |
| - | 74 | ├ | ├ | ├ | ├ | - | \vdash | ┢ | - | _ |
| | 74 | ├ | ļ | ├ | <u> </u> | _ | <u> </u> | ├ | ! — | _ |
| | 75 | | | | L | L_ | | | | |
| 1 | 76 | l | 1 | l | l | ŀ | | | | |
| | 77 | | | Π | \Box | | | | | |
| | 78 | \vdash | ┢ | \vdash | \vdash | | \vdash | _ | _ | |
| | 10 | ┝ | ├ | ├ | ├ | - | \vdash | ├ | ├— | _ |
| <u> </u> | 79 | <u> </u> | | ▙ | Ь | _ | _ | ļ | ļ | _ |
| | 80 | | | | | | | | | |
| | 81 | | | | | | 1 | l | | |
| | 82 | \Box | | Γ | \Box | | Г | Ι | Π | |
| - | 82 83 | \vdash | - | \vdash | \vdash | \vdash | \vdash | \vdash | \vdash | \vdash |
| | 03 | \vdash | ⊢- | <u> </u> | <u> </u> | \vdash | | | ├- | - |
| L | 84 | L | _ | | L. | <u> </u> | <u> </u> | | ldash | <u> </u> |
| | 85 | | l | | | | l | ١. | <u></u> | |
| | 86 | | | | | | | | | |
| | 87 | | \vdash | т | Т | _ | Ι | <u> </u> | \vdash | |
| \vdash | 90 | - | \vdash | \vdash | \vdash | ├ | \vdash | | ├─- | \vdash |
| | 88 | <u> </u> | <u> </u> | - | <u> </u> | \vdash | <u> </u> | \vdash | \vdash | \vdash |
| | 89 | <u>_</u> | L | Ш | | <u> </u> | | L | <u> </u> | L. |
| | 90 |] | | | | | | _ | | |
| | 91 | | | П | | | | | | |
| - | 92 | Η- | \vdash | \vdash | - | \vdash | | \vdash | \vdash | \vdash |
| - | | Η. | | - | _ | \vdash | — | <u> </u> | | - |
| <u> </u> | 93 | L | <u> </u> | | Щ | <u> </u> | | <u> </u> | <u> </u> | _ |
| L | 94 | L | L | L | | L | L | L | L | L |
| | 95 | | | | | | | | Π | |
| \vdash | 96 | \vdash | | | _ | | | \vdash | | \vdash |
| \vdash | 97 | | ├─ | \vdash | \vdash | | - | - | | |
| - | | Н | | \vdash | Ш | | ļ | _ | <u> —</u> | |
| <u> </u> | 98 | | <u> </u> | <u> </u> | _ | <u> </u> | L | _ | <u> </u> | _ |
| | 99 | | | | | | L. | | _ | |
| | 100 | | L | | | L | L | | L | L |
| | | | | | | | | | | |

| Cla | Date . | | | | | | | | | |
|--|--|----------|--------------|--|--|------------|----------------|--------------|--------------|-----------------|
| Final | Original | | | | | | | | | |
| | 101 102 103 | | | | | | | | | |
| | 102 | | | L | | Ш | | L | | Ш |
| | 103 | | | | | | | | | |
| | 104 | | | | | | | L | | |
| | 105 106 | | | | | | | | | |
| | 106 | | _ | | | | | | | |
| | l 107 i | | | | | | | | L | Ш |
| | 108 | | | L | | | | | _ | Ш |
| | 108 109 110 | | | | | | | | | |
| | 110 | | <u> </u> | | | | | | | Ш |
| | 111 | | | | | | | | | Ш |
| | 112 | | | | | | | | | Ш |
| | 113 | | | | | | | | | |
| | 114 | L | | | | | | | | |
| | 115 | | | | | L | _ | L | 乚 | |
| | 111 112 113 114 115 116 117 | سَّ | | | <u> </u> | oxdot | | L | | Ш |
| | 117 | _ | <u> </u> | | | | | | | Ш |
| | 118 | | | | | | L | | | |
| | 119 | | <u> </u> | <u> </u> | L | Ŀ | | | | |
| | 120 | | L | | L | | | | L | Ш |
| | 118 119 120 121 | | | | | | L | | | Ш |
| | 122 | | | L | _ | | | | | Ш |
| | 123 | L | L | | | <u></u> | L., | | | Ш |
| | 124 | L | _ | | | L | L | L | | Ш |
| L | 125 | L | | | <u> </u> | | _ | | | Ш |
| <u> </u> | 126 | | | L | L | | L | | | Ш |
| | 127 | | | L | <u> </u> | | L | | | Ш |
| | 122 123 124 125 126 127 128 129 130 131 | | | | L. | | <u> </u> | | | Ш |
| | 129 | | | | L_ | _ | <u> </u> | _ | | Ш |
| | 130 | | _ | | L | | | <u>L</u> | | Ш |
| | 131 | | | | L. | | <u> </u> | _ | L | Ш |
| | 132 | Ш | L. | _ | <u> </u> | <u> </u> | <u> </u> | <u> </u> | L | Ш |
| | 133 134 | L., | <u> </u> | $ldsymbol{ld}}}}}}$ | $ldsymbol{ld}}}}}}$ | <u> </u> | <u> </u> | ļ | L. | Ш |
| | 134 | L_ | <u> </u> | L | <u> </u> | L | <u> </u> | <u> </u> | <u> </u> | Ш |
| <u> </u> | 1 135 | L_ | L | <u> </u> | <u> </u> | <u> </u> | <u> </u> | <u> </u> | <u> </u> | Ш |
| | 136 137 138 | L. | | <u> </u> | <u> </u> | <u> </u> | <u> </u> | <u> </u> | ļ | Ш |
| <u> </u> | 137 | L. | <u> </u> | _ | <u> </u> | _ | <u> </u> | <u> </u> | <u> </u> | Ш |
| | 138 | <u> </u> | <u> </u> | ļ | L | <u> </u> | <u> </u> | <u> </u> | | Щ |
| | 139 | <u> </u> | <u> </u> | <u> </u> | ļ | <u> </u> | <u> </u> | <u> </u> | _ | $\vdash \vdash$ |
| <u> </u> | 140 | _ | <u> </u> | <u> </u> | <u> </u> | <u> </u> | | | - | Ш |
| | 141 | <u> </u> | <u> </u> | \vdash | _ | \vdash | <u> </u> | | \vdash | Н |
| \vdash | 142 | H | <u> </u> | <u> </u> | <u> </u> | <u> — </u> | — | | <u> </u> | Ш |
| | 143 | \vdash | <u> </u> | <u> </u> | <u> </u> | - | | ├— | \vdash | Н |
| | 144 | - | <u> </u> | \vdash | | <u> </u> | \vdash | | \vdash | Н |
| <u> </u> | 145 146 | \vdash | <u> </u> | | | | - | - | <u> </u> | Н |
| | 146 | \vdash | | \vdash | | - | \vdash | \vdash | - | $\vdash \vdash$ |
| - | 147 | \vdash | \vdash | \vdash | <u> </u> | ⊢ | ├ | \vdash | | $\vdash\vdash$ |
| - | 148 | | | \vdash | \vdash | \vdash | - | | | Н |
| | 150 | - | - | \vdash | | \vdash | \vdash | \vdash | | $\vdash \vdash$ |
| | 130 | | Ц. | L | L | Щ | Щ | Щ. | | ш |